701 Stereo Receiver

Date of manufacture : Jan 92 - Dec 95

Please note that this document contains the text from the original product brochure, and some technical statements may now be out of date

Because of the NAD 701's extensive capability and flexibility, for once an NAD front panel looks busy! The tuner circuits, developed from the award winning NAD 402, offers the same tine tuning and sensitivity (in 25 kHz steps) and the 12 FM/l2 AM presets will surely provide you with all your favourite stations.

The 701's amplification stage provides 25 watts per channel into 8 ohms and Extended Dynamic Power permits untroubled peaks of 85 warts into 8 ohms. NAD Soft Clipping, CD, video and phono inputs, selectable mono and loudness switches all add up to flexibility and high performance, controllable via a simple remote control.

PRE-AMP SECTION

Phono input		
Input impedance *(R and C)*		47kΩ / 250pF
Input sensitivity, 1kHz	MM	2.5mV ref. 0.5V
Signal/Noise ratio *(A-weighted with cartridge connected)*	MM	75dB ref. 5mV
THD *(20Hz - 20kHz)*		<0.04%
RIAA response accuracy *(20Hz - 20kHz)*		±0.5dB
Line level inputs		
Input impedance *(R and C)*		15kΩ / 300pF
Input sensitivity *(ref. 1W)*		160mV
Maximum input signal		>10V
Signal/Noise ratio *(A-weighted ref 1W)*		87dB
Frequency response *(20Hz - 20kHz)*		+0.5dB, -1dB
Line level outputs		
Output impedance	Pre-amp	220Ω
	Tape	Source Z + 2kΩ
Maximum output level	Pre-amp	>12V
	Tape	>10V
Tone controls		
Treble		±7dB at 10kHz
Bass		±10dB at 50Hz

POWER AMP SECTION

Continuous output power into 8Ω *		25W (14dBW)
Rated distortion *(THD 20Hz - 20kHz)*		0.03%
Clipping power *(maximum continuous power per channel)*		40W
IHF Dynamic headroom at 8Ω		+4dB
IHF dynamic power *(maximum short term power per channel)*	8Ω	60W (18dBW)
	4Ω	85W (19dBW)
	2Ω	90W (19.5dBW)
Damping factor *(ref. 8Ω, 50Hz)*		>50
Input impedance		20kΩ / 820pF
Input sensitivity *(for rated power into 8Ω)*		1V
Frequency response *(20Hz - 20kHz)*		±0.3dB
Signal/noise ratio	ref. 1W	100dB
	ref. rated power	114dB
THD *(20Hz - 20kHz)*		<0.03%

FM TUNER SECTION

Input sensitivity	Mono -30dB THD+N	11.3dBf (1.0µV/75Ω)
	Mono 50dB S/N	15dBf (1.5µV/75Ω)
	Stereo 50dB S/N	37dBf (20µV/75Ω)
	Stereo 60dB S/N	47dBf (60µV/75Ω)
Capture ratio *(45 - 65dBf)*		<1.6dB
AM rejection *(45 - 65dBf)*		>60dB
Selectivity		58dB
Image rejection		>70dB
I F rejection		90dB
Harmonic distortion	Mono	0.2%
	Stereo	0.3%
Signal/Noise ratio	Mono	>80dB
	Stereo	>74dB
Frequency response ±0.5dB		30Hz - 15kHz
Channel separation at 1kHz		>45dB

AM TUNER SECTION

Usable sensitivity	5µV
Selectivity	30dB
Image rejection	45dB
I F rejection	35dB
Signal/Noise ratio	45dB
Harmonic distortion	0.5%
Remote	No
NAD Link	No

PHYSICAL SPECIFICATIONS

Dimensions (W x H x D)	420 x 91 x 273mm
Net weight	6.0kg
Shipping weight	7.1kg

* Minimum power per chnnel, 20Hz - 20kHz, both channels driven with no more than rated distiortion.

Dimensions are of unit's cabinet without attached feet; add up to 18mm for total height.

Dimension depth excludes terminals, sockets, controls and buttons.

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